



UPS Monitoring Software User Manual

UPS

CUPS600 / CUPS800

V1.0

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1. Installation & Settings

1.1 Note

- Operating OS: Windows 2000 / XP / 2003 / Vista / 2008 / 7 / 8.

Other Software Conditions:

1. MDAC 2.8. (windows 2000 Only)

<http://www.microsoft.com/downloads/details.aspx?familyid=6C050FE3-C795-4B7D-B037-185D0506396C&displaylang=en>

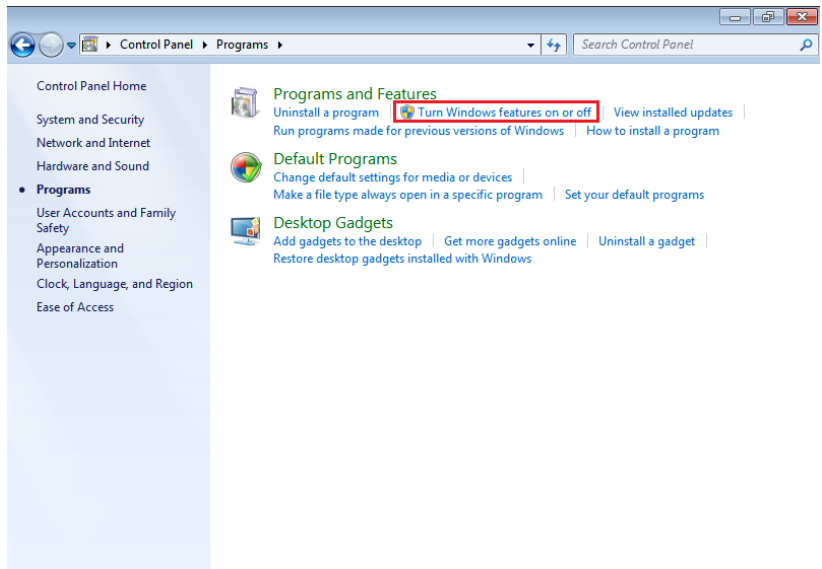
2. For Windows Installer 3.0 and above.

3. For Framework 2.0 and above.

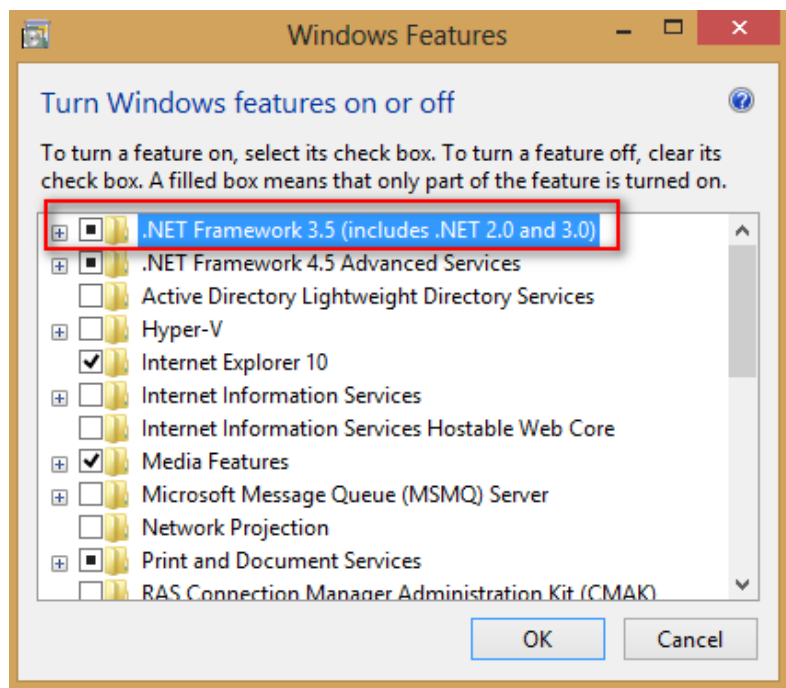
- Windows 8 Note :

If you use Windows 8, please follow steps below.

Step 1: Control Panel → Programs, and choose “Turn Windows features on or off”.



Step 2: Please check “.NET Framework 3.5”.



- Peripherals: Use either a serial port Connector or USB connector.

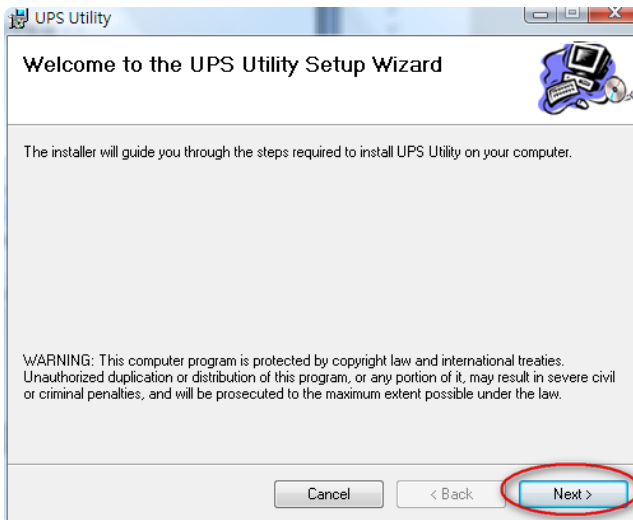
1.2 Installation Instructions

1.2.1 Please login as an Administrator.

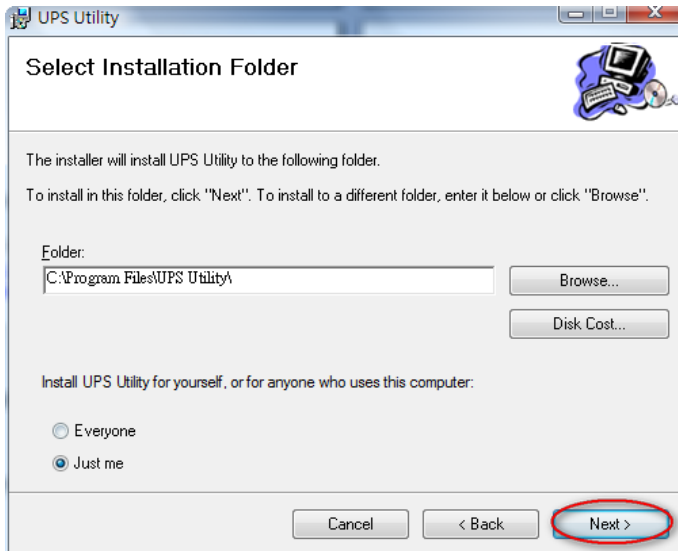
1.2.2 Double click to execute “Setup”.



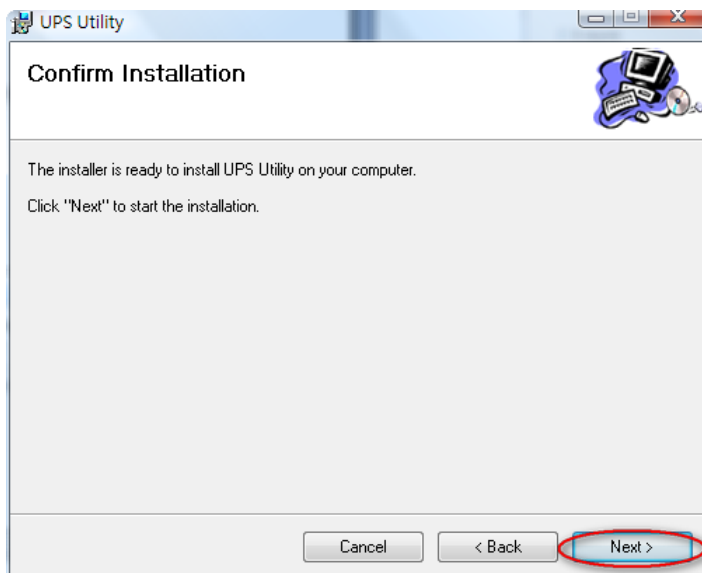
1.2.3 Click “Next” to next step.



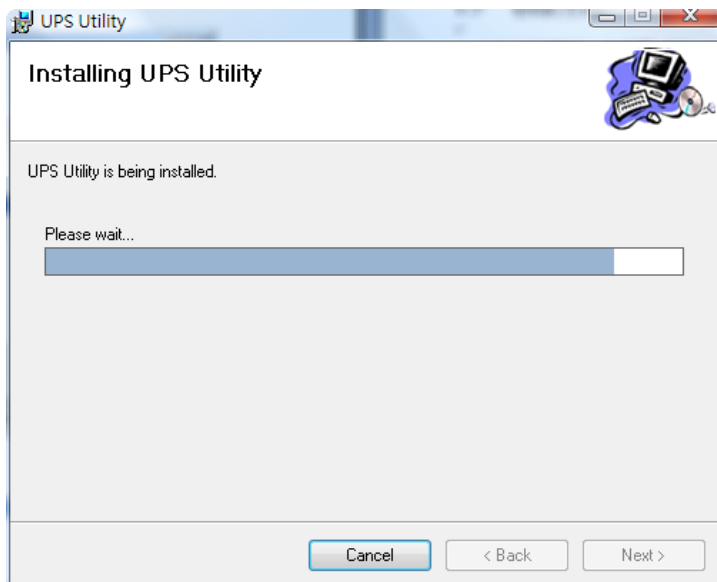
- 1.2.4 Enter “Select Installation Folder” to select the desire location for UPS Utility program. (Default: C:\Program Files\UPS Utility.) Choose the user (yourself or anyone) who uses this software. Click “Next” to next step.



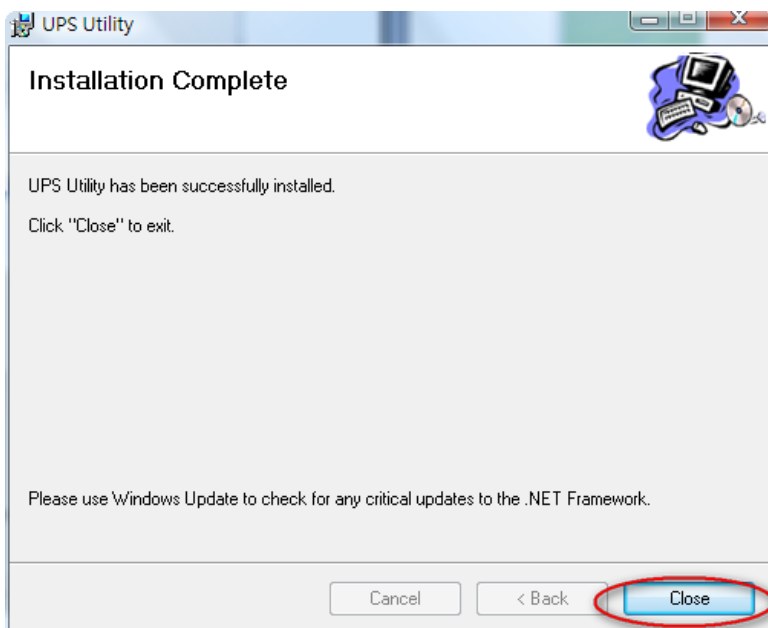
- 1.2.5 Enter “Confirm Installation” to ensure the completed installation of UPS Utility. Click “Next” to next step.



1.2.6 Installing UPS Utility program.



1.2.7 Click "Close" to end the installation.

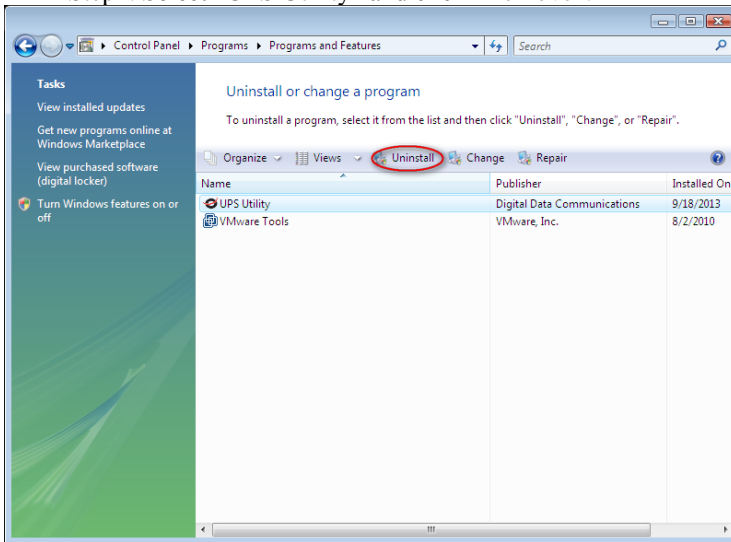


1.3 Instructions on Removing UPS Utility Program

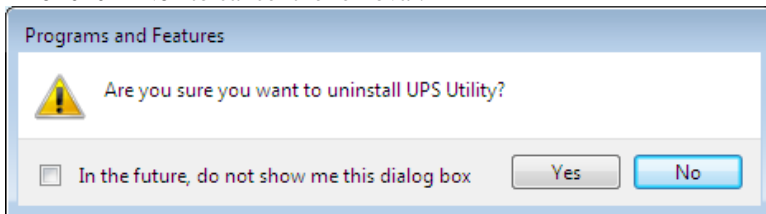
Remove UPS Utility

Step1. Go to Windows Control Panel and select “Add or Remove Programs”.

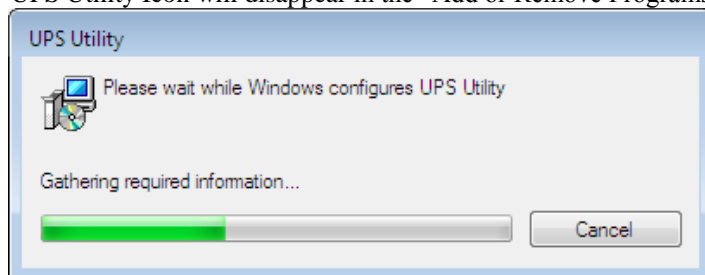
Step2. Select “UPS Utility” and click “Remove”.



Step3. In the page shown below, click “Yes” to confirm removal of the UPS Utility or click “No” to cancel the removal.



Step4. When the progress bar run to finish, It's complete the removal.
UPS Utility Icon will disappear in the “Add or Remove Programs” page.

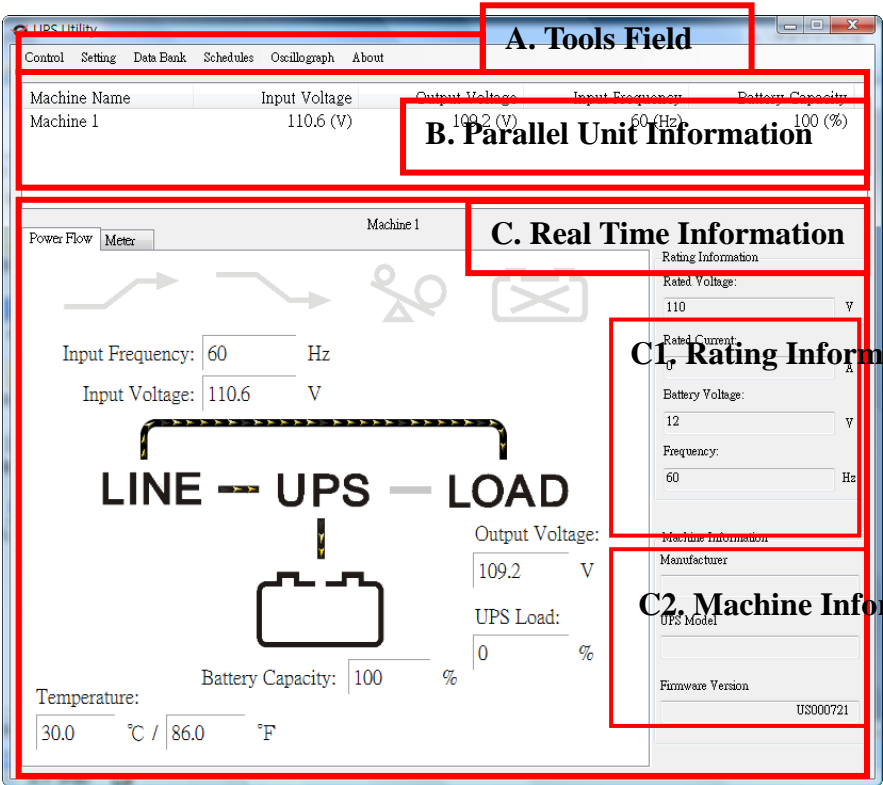


2. Function Descriptions

UPS Utility program is user-friendly UPS monitoring software which reveals the status of the UPS via USB or RS232 for up to 4 parallel units. It provides easy to read real time metering of important UPS parameters such as input/output voltage, frequency, UPS temperature, loads & battery capacity. These UPS parameters & status information are recorded and presented in both graphically and numerically.

The “Schedule” function of UPS Utility allows user to preset various UPS commands to perform repetition of tasks automatically. In event of Power outage or abnormality, UPS Utilityprogram is capable of automatically informing user via SMS & email instantly and closes application software. The following chapters will provides detailed descriptions of these superior features of UPS Utility program.

2.1 Real-Time Information Monitoring Display



A. Tools Field

Function	Descriptions	Remarks
Control	This function include: Self Test, UPS Shutdown. In this function, you can send command to unit in this time.	
Setting	There are 3 parts in this item: “General Setting”, “SMS Setting”, And “Email Setting”. “General Setting”: setting of Communications, Multi language, Setting of Shutdown. “SMS Setting”: SMS alert function set up. “E-mail Setting”: E-mail alert function set up.	
Data Base	There are 2 parts in this item: “Event Log” And “Data Log”. “Event Log”: Provides a list of records of events, command entries, alarms, etc. “Data Log”: Stores the UPS operating parameters monitored & recorded by the UPS Utility.	
Schedules	Provides scheduling of to-do events and commands.	
Oscillograph	Graphical overall of the recorded UPS parameters data.	
About	Record the version number and proprietor name of the UPS Utility.	

B. Parallel Unit Information

Provides input/output voltage, frequency, loads of UPS parameters for up to 4 parallel units at the same time.

C. Real Time Information

When you select unit in Parallel Unit Information zone, the details of UPS parameters will show on this zone.

This zone includes: “Icon page”, “Value page”, “Rating Information”, and “Machine Information”.

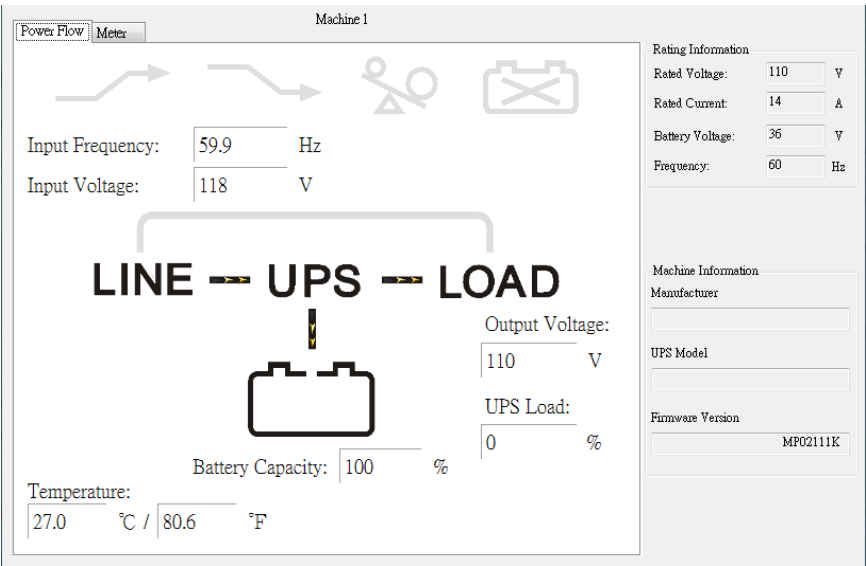
C1. Rating Information

Provides rating information of the connected UPS such as Rating Voltage, Rating current, Battery Voltage, and Frequency.













C2. Machine Information

Provides machine information of the connected UPS such as Manufacturer, UPS Model, and Firmware Version.

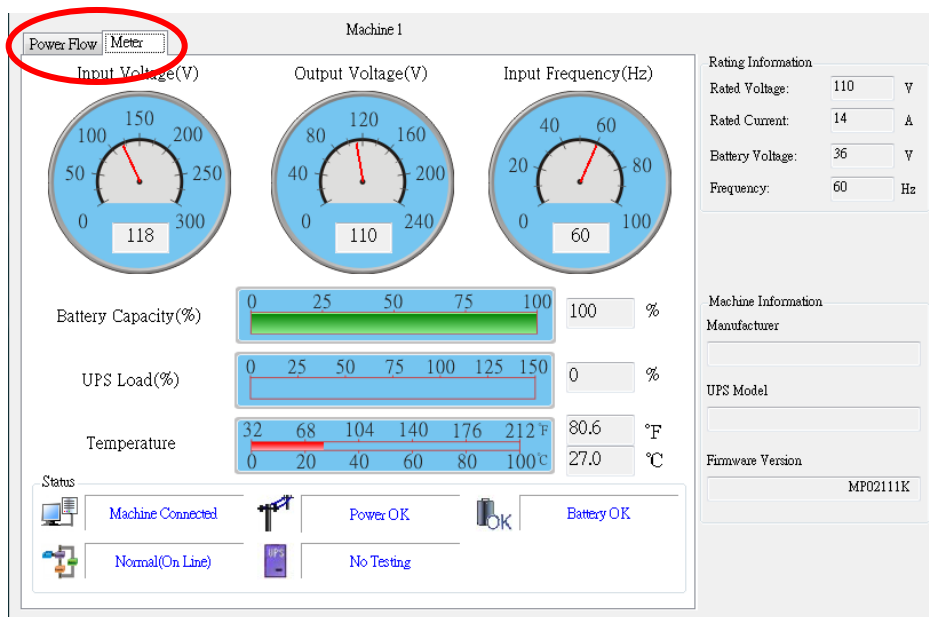
Power Flow page :



※ Symbols Description





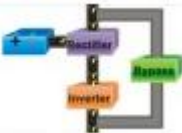
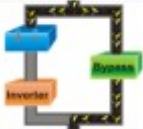




State	Symbols	Description	Remarks
Boost		Non-Boost	
		Boost	
Buck		Non-Buck	
		Buck	
Over Load		Non-Over Load	
		Over Load	
Battery State		Non-Battery Disconnect	
		Battery Disconnect	
		Battery OK	
		Battery Low	
By Pass		Non-By Pass	
		By Pass	

Meter Page:

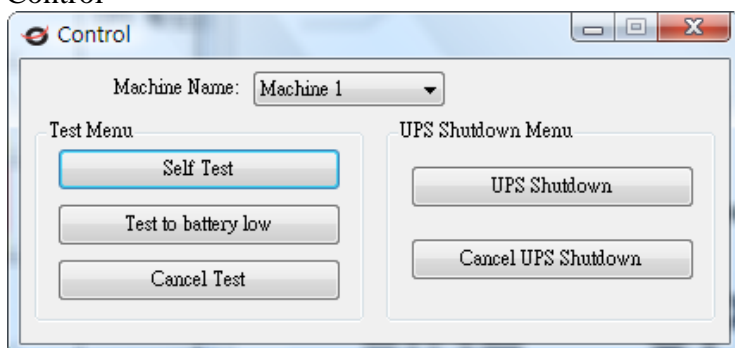


※ Symbols Description

State	Symbols	Description	Remarks
Connection State		UPS connected. This symbol represent when the UPS is successfully connect to the Computer.	
		UPS disconnected. The connection between the UPS & the Computer is disrupted.	
Power State		Power Supply OK.	
		Power Failure. The utility supply is absent or abnormal conditions.	

UPS Battery State		Battery Level OK.	
		Battery Low. The UPS battery is near to end of discharge or is at low power level. (2 Icon swap)	
			
		UPS Battery Failed.	
UPS Models		ON LINE Model.	
		OFF LINE Model.	
Test State		UPS No Testing.	
		UPS Testing.	
By Pass		By Pass mode.	
			

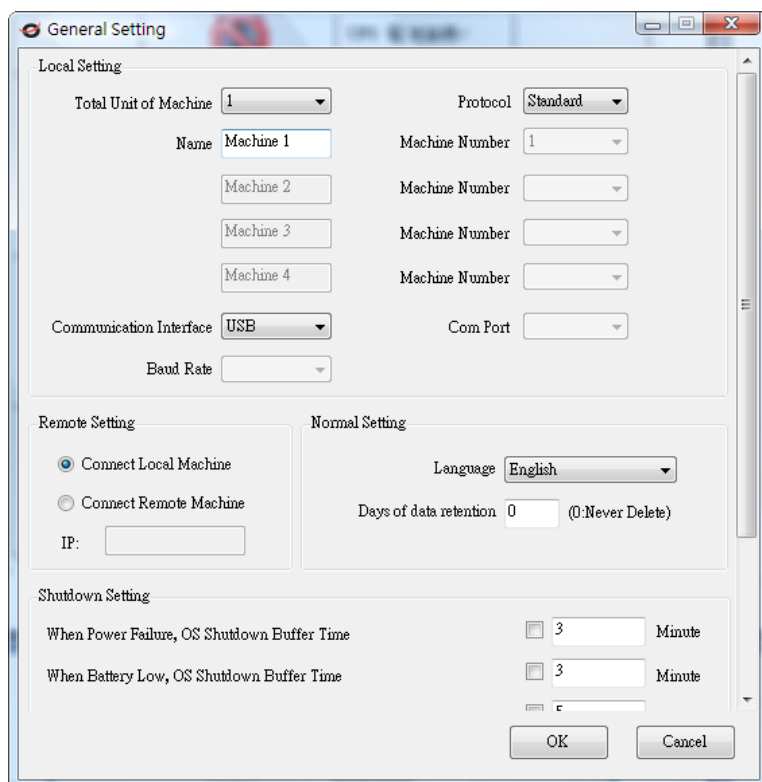
2.2 Control

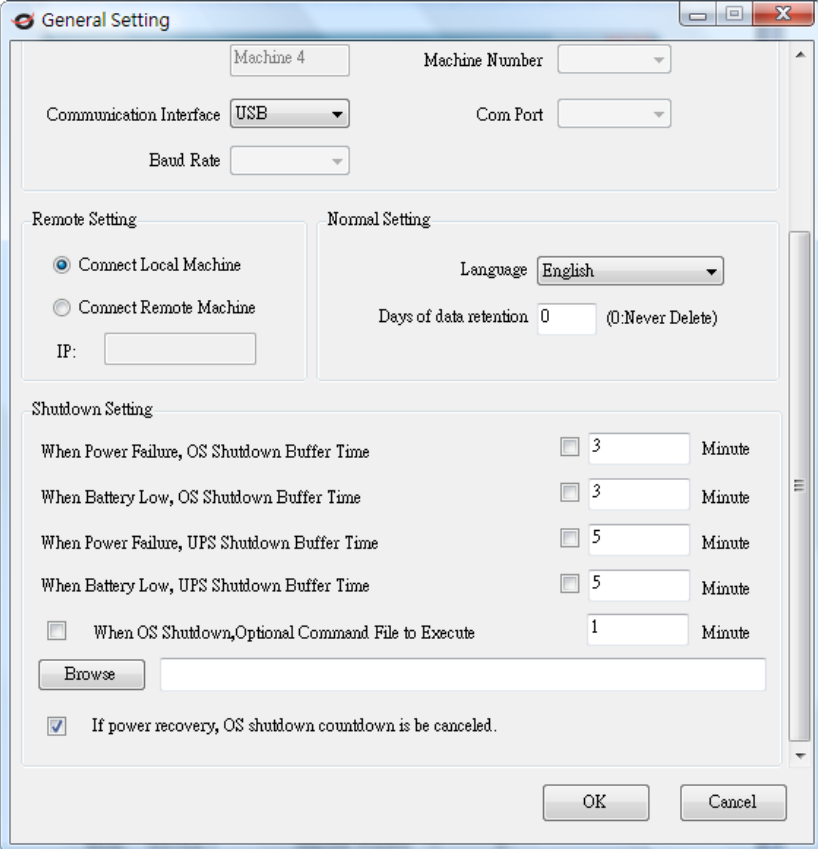


Provides command to UPS for self-test, shut-down, battery discharge test, stop test, etc.

2.3 General Setting

Allows user to select & set the connecting Com port or Remote, UPS or OS shutdown, etc.





General Setting

Machine 4 Machine Number

Communication Interface Com Port

Baud Rate

Remote Setting

☒ Connect Local Machine

☐ Connect Remote Machine

IP:

Normal Setting

Language

Days of data retention (0:Never Delete)

Shutdown Setting

When Power Failure, OS Shutdown Buffer Time ☐ Minute

When Battery Low, OS Shutdown Buffer Time ☐ Minute

When Power Failure, UPS Shutdown Buffer Time ☐ Minute

When Battery Low, UPS Shutdown Buffer Time ☐ Minute

☐ When OS Shutdown,Optional Command File to Execute Minute

☒ If power recovery, OS shutdown countdown is be canceled.

2.3.1. Setting amount of unit, and choose the Protocol.

Total Unit of Machine Protocol

2.3.2. Setting number of unit, and unit name which show on the Real Time Information Monitoring Display form.

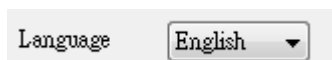
Name	<input type="text" value="Machine 1"/>	Machine Number	<input type="text" value="1"/>
	<input type="text" value="Machine 2"/>	Machine Number	<input type="text" value="2"/>
	<input type="text" value="Machine 3"/>	Machine Number	<input type="text" value="3"/>
	<input type="text" value="Machine 4"/>	Machine Number	<input type="text" value="4"/>

2.3.3. Setting Interface and Com Port of connection.



Communication Interface RS232 Com Port Com7
Baud Rate 2400

2.3.4. Language Selections



Language English

The UPS Utility program provides various major languages for user selection. The initial start up language will be English.

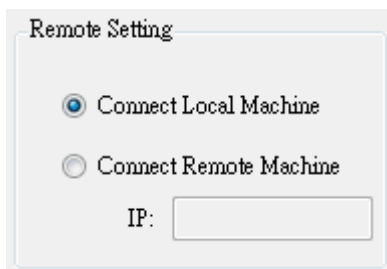
2.3.5. Data retention setting



Days of data retention 0 (0:Never Delete)

The period of time user intends to save the data in database. If the value is “0”, means data in database never delete.

2.3.6. Remote Setting



Remote Setting

☒ Connect Local Machine
☐ Connect Remote Machine

IP:

If you want to remote other computer, please choose “Connect Remote Machine”, and insert IP. If choose “Connect Remote Machine”, you can’t send command, scheduling and Shutdown the UPS, but can Shutdown the computer.

2.3.7. When Power Failure OS Shutdown Buffer Time



When Power Failure, OS Shutdown Buffer Time ☒ 5 Minute

Select a sufficient time for the computer OS to automatically shutdown when a power outage occurred. The selectable time is from 1 min. to 99 min.

2.3.8. When Battery low OS Shutdown Buffer Time

When Battery Low, OS Shutdown Buffer Time ☒ 4 Minute

Select a desire time to automatically shutdown the computer OS before the UPS battery power is depleted. The selectable time is from 1 min. to 99 min.

2.3.9. When Power Failure UPS Shutdown Buffer Time

When Power Failure, UPS Shutdown Buffer Time ☒ 3 Minute

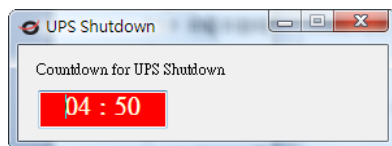
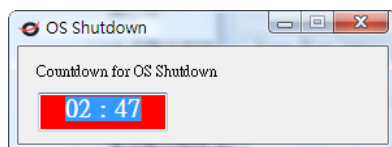
Select a desire time to automatically shutdown the UPS after a power outage occurred. A longer shutdown buffer time for OS then the UPS one is highly recommended. The selectable time is from 1 min. to 99 min.

2.3.10. When Battery low UPS Shutdown Buffer Time

When Battery Low, UPS Shutdown Buffer Time ☒ 2 Minute

Select a desire time to automatically shutdown the UPS before the UPS battery power is depleted. A longer shutdown buffer time for OS then the UPS one is highly recommended. The selectable time is from 1 min. to 99min.

NOTE: Before UPS or OS shutdown , UPS Utility will show countdown window.



2.3.11 When OS Shoutdown, Option Command File to Execute.

☐ When OS Shutdown,Optional Command File to Execute 1 Minute

Browse

When OS Shoutdown, how many minutes before to execute the command file. The selectable time is from 1 min. to 60 min.

2.3.12 If power recovery, OS shutdown countdown be canceled.



If power recovery, OS shutdown countdown is be canceled.



If power recovery, OS shutdown countdown be canceled.



If power recovery, OS shutdown countdown be not canceled.

2.4 SMS

An alert message of recorded event will be sent to a predetermined mobile phone number via a subscribed short message service provider.

SMS Setting

B. SMS Server:

ID: API ID:

PassWord:

Phone Number:

A.

C. **Event Setting**

<input type="checkbox"/> UPS Connected	SMS message UPS connect
<input type="checkbox"/> UPS Disconnected	SMS message UPS disconnect
<input type="checkbox"/> Shutdown OS	SMS message System shutdown
<input type="checkbox"/> Power Fail	SMS message Power failure
<input type="checkbox"/> Battery Low	SMS message Battery low
<input type="checkbox"/> Power Restored	SMS message Power restored
<input type="checkbox"/> UPS Shutdown	SMS message UPS shutdown
<input type="checkbox"/> Over Load	SMS message Over load
<input type="checkbox"/> Battery Failed	SMS message Battery weak
<input type="checkbox"/> UPS Self Testing	SMS message UPS test

D.

This SMS function is only available through third-party Short Message Service Providers. To use this function you need to subscribe an account on [every8d] or [clickatell]. These are currently the only 2 third-party SMS providers supported by UPS Utility program. For more information on subscriptions and charges, please go to their respective website as follow:

- 1) For [Every8d] : Go to <http://www.every8d.com/>.
Note: Please subscribe as “Corporate” account in order to use UPS Utility program SMS function.
- 2) For [Clickatell] : Go to <http://www.clickatell.com/>
Note: Payment has to be made to obtain an “api_id” before use.

A. Send Test :

Click to send a test message to confirm the settings.

B. Account Settings :

Insert the SMS provided name, ID, passwords, “api-id” (for Clickatell subscriber only) and mobile phone number (international dialing format, include “+” or “00” and country code).

Note: If you want to send message to more than 1 mobile phone number, must use “,” to separate mobile phone numbers.

C. Event & Message Selections :

Click to select the desire Events to be broadcasted and the respective message contents (You may change and retype the Message contents to meet your requirement in English).

D. Save Setting :

Click “OK” to save & apply settings

Note: Internet Firewall may not allow this SMS function. If you have installed Firewall please allow this function.

2.5 E-Mail Settings

Email Setting

B. User Name: UPS Utility

User Email Address: XX@XXXX.XXX

SMTP Server: XXX.XXX.XXX

Receiver Name: User

Subject: Hello

A. Email Test

Password: *****

SMTP Server Port: 25

Mail To: XX@XXXX.XXX.XXX

Send Setting

C.

<input type="checkbox"/> UPS Connected	Mail message UPS connect
<input type="checkbox"/> UPS Disconnected	Mail message UPS disconnect
<input type="checkbox"/> Shutdown OS	Mail message System shutdown
<input type="checkbox"/> Power Fail	Mail message Power failure
<input type="checkbox"/> Battery Low	Mail message Battery low
<input type="checkbox"/> Power Restored	Mail message Power restored
<input type="checkbox"/> UPS Shutdown	Mail message UPS shutdown
<input type="checkbox"/> Over Load	Mail message Over load
<input type="checkbox"/> Battery Failed	Mail message Battery weak
<input type="checkbox"/> UPS Self Testing	Mail message UPS test

D. OK Cancel

A. Sent Test :

Click to send a test message to confirm the settings are correct.

B. Account Settings :

Insert the User Name (Sender, e.g. UPS Utility), User Email Address (select a sender email address specifically for this function), Password (the pass word of your email server), SMTP Server (insert SMTP server or IP address), SMTP Server port (port of SMTP Server), Receiver Name (select a predetermined email address the event messages will be sent to), Mail To (Mail address of receiver), and Subject (select a subject name to acknowledge the receiver).

Note: If you want to send email to more than 1 email address, must use “;” to separate email addresses.

C. Send Setting :

Click to select the desire Events to be broadcasted and the respective message contents (You may change and retype the Message contents to meet your requirement in English).

D. Save Setting :

Click “OK” to save & apply settings.

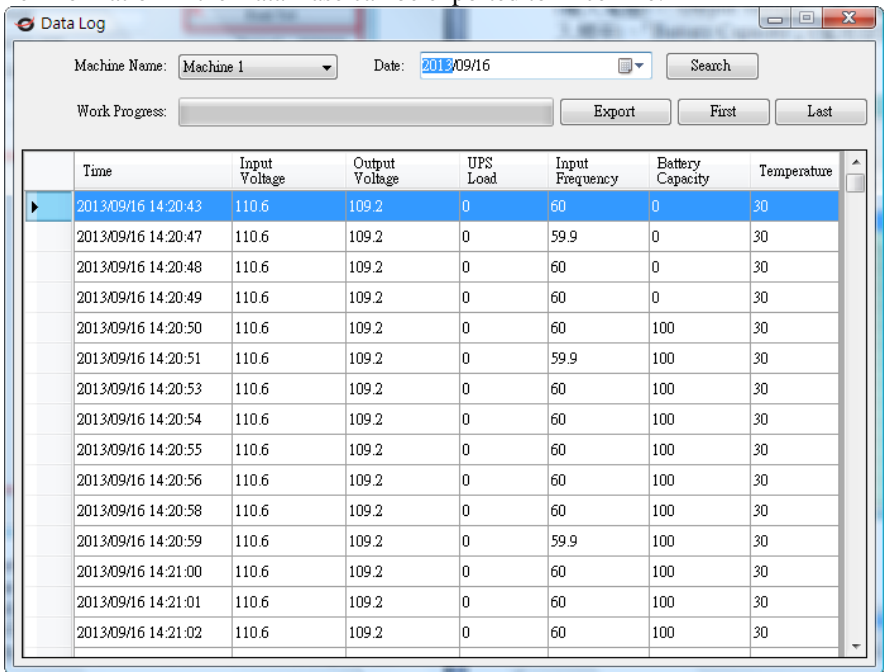
Note: Internet Firewall may not allow this E-Mailing function. If you have installed Firewall please allow this function.

2.6 Data Log

The ‘Data Bank’ stores all UPS operating parameters monitored & recorded by the UPS Utility program.

It facilitates the recorded data (include Input Voltage, Output Voltage, Input Frequency, Battery Capacity, Temperature, Load) for a more effective study of the desire information.

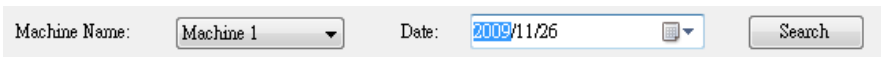
The information in the Data Base can be exported to Excel file.



The screenshot shows the 'Data Log' window. At the top, there is a 'Machine Name' dropdown set to 'Machine 1' and a 'Date' field set to '2013/09/16'. Below these are 'Work Progress', 'Export', 'First', and 'Last' buttons. The main area is a table with the following columns: Time, Input Voltage, Output Voltage, UPS Load, Input Frequency, Battery Capacity, and Temperature. The table contains 15 rows of data, all for the date 2013/09/16, with times ranging from 14:20:43 to 14:21:02. The values for Input Voltage, Output Voltage, and Temperature are constant across all rows, while Input Frequency and Battery Capacity vary.

	Time	Input Voltage	Output Voltage	UPS Load	Input Frequency	Battery Capacity	Temperature
▶	2013/09/16 14:20:43	110.6	109.2	0	60	0	30
	2013/09/16 14:20:47	110.6	109.2	0	59.9	0	30
	2013/09/16 14:20:48	110.6	109.2	0	60	0	30
	2013/09/16 14:20:49	110.6	109.2	0	60	0	30
	2013/09/16 14:20:50	110.6	109.2	0	60	100	30
	2013/09/16 14:20:51	110.6	109.2	0	59.9	100	30
	2013/09/16 14:20:53	110.6	109.2	0	60	100	30
	2013/09/16 14:20:54	110.6	109.2	0	60	100	30
	2013/09/16 14:20:55	110.6	109.2	0	60	100	30
	2013/09/16 14:20:56	110.6	109.2	0	60	100	30
	2013/09/16 14:20:58	110.6	109.2	0	60	100	30
	2013/09/16 14:20:59	110.6	109.2	0	59.9	100	30
	2013/09/16 14:21:00	110.6	109.2	0	60	100	30
	2013/09/16 14:21:01	110.6	109.2	0	60	100	30
	2013/09/16 14:21:02	110.6	109.2	0	60	100	30

2.6.1. Setting Machine Name and date of data



This screenshot shows the top portion of the Data Log window. It features a 'Machine Name' dropdown menu currently set to 'Machine 1', a 'Date' field set to '2009/11/26', and a 'Search' button to the right.

Choose the “Machine Name” and “Date”, click “Search” have the further information.

2.6.2. Tools

Work Progress:		<div>ExportFirstLast</div>					
	Time	Input Voltage	Output Voltage	UPS Load	Input Frequency	Battery Capacity	Temperature
▶	2009/11/26 09:47:32	220.1	230.1	100	50	0	30.1
	2009/11/26 09:47:33	220.1	230.1	100	50	0	30.1
	2009/11/26 09:47:34	220.1	230.1	100	50	0	30.1
	2009/11/26 09:47:35	220.1	230.1	100	50	61	30.1
	2009/11/26 09:47:37	220.1	230.1	100	50	61	30.1
	2009/11/26 09:47:38	220.1	230.1	100	50	61	30.1
	2009/11/26 09:47:39	220.1	230.1	100	50	61	30.1
	2009/11/26 09:47:40	220.1	230.1	100	50	61	30.1

Export : Click to export the current data into “xls” format.

First : Click to go to the first recorded entry.

Last : Click to go to the last recorded entry.

2.7 Event log

The “Event Log” provides a list of records of all the events & tasks to be performed by the program and those that had occurred on each day of the particular month. It provides a summary of the Utilities conditions and UPS testing results.

	Data Time	Machine Name	Event
▶	2013/09/16 14:20:33	Machine 1	UPS Disconnected
	2013/09/16 14:20:42	Machine 1	UPS Connected
	2013/09/16 14:21:48	Machine 1	UPS Shutdown
	2013/09/16 14:21:48	Machine 1	Power Fail
	2013/09/16 14:22:08	Machine 1	Power Restored
	2013/09/16 14:22:45	Machine 1	UPS Shutdown
	2013/09/16 14:22:45	Machine 1	Power Fail
	2013/09/16 14:23:14	Machine 1	Power Restored
*			

2.7.1. Setting Machine Name and date of data

Machine Name: All Date: 2009/11 Search

Choose the “Machine Name” and “Date”, click “Search” to have the further information.

2.7.2. Filter

Filter

<input type="checkbox"/> UPS Connect	<input type="checkbox"/> UPS Failed	<input type="checkbox"/> Power Restored	<input type="button" value="Select All"/>
<input type="checkbox"/> UPS Disconnect	<input type="checkbox"/> Self Test	<input type="checkbox"/> Shutdown OS	<input type="button" value="Clear"/>
<input type="checkbox"/> Power Fail	<input type="checkbox"/> UPS Shutdown		<input type="button" value="Filter"/>
<input type="checkbox"/> Battery Low	<input type="checkbox"/> Over Load		

Please select or unselect the desire parameters by clicking on the respective parameter field box. Click “Filter” to have further information.

Select All : Field box of all events will be “☒”

Clear : Field box of all events will be “☐”

Filter : Click “Filter” the data will show respectively.

2.7.3. Tools

Work Progress	<input type="button" value="Export"/>	<input type="button" value="First"/>	<input type="button" value="Last"/>
	Data Time	Machine Name	Event
<input checked="" type="checkbox"/>	2009/11/05 11:02:50	Machine 1	UPS Disconnect
<input type="checkbox"/>	2009/11/05 11:12:51	Machine 1	UPS Disconnect
<input type="checkbox"/>	2009/11/05 11:13:39	Machine 1	UPS Disconnect
<input type="checkbox"/>	2009/11/05 16:19:26	Machine 1	UPS Disconnect
<input type="checkbox"/>	2009/11/05 16:40:48	Machine 1	UPS Disconnect

Export : Click to export the current data into “xls” format.

First : Click to go to the first recorded entry.

Last : Click to go to the last recorded entry.

2.8 Schedule

“Schedule” allows user to create a desire routine to notify UPS to perform specific or repeatable tasks automatically at predetermined dates & times.

Please refer to the following instructions to create an entry :

Schedule

Machine Name: Machine 1

Date: 2013/09/18 星期三

Time: 16:33

Repeat: Weekly

Control Item

☒ Test for 10 seconds.

☐ Shutdown UPS in minutes,

☐ Test until battery low.

Start-up time Today 00:00

☐ Shutdown UPS in minutes.

Add

Edit

Delete

	Number	Machine	Repeat	Control Item	Date	Week	Time
	1	Machine 1	Everyday	Test for 10 seconds.	2013/9/16	Monday	06:33
	2	Machine 1	Weekly	Test for 10 seconds.	2013/9/18	Wednesday	16:33
*							

2.8.1.Setting Machine and time which you want to schedule.

Machine Name: Machine 1

Date: 2010/02/02 星期二

Time: 00:00

Repeat: Today

Machine Name : Choose the machine.

Date : Choose the Date.

Time : Time Setting.

Repeat : Set frequency.

2.8.2. Control Item

The screenshot shows a 'Control Item' dialog box. It contains four radio button options, each with a corresponding label in a red box:

- A**: Points to the first radio button labeled 'Test for 10 seconds.'
- B**: Points to the second radio button labeled 'Test until battery low.'
- C**: Points to the third radio button labeled 'Shutdown UPS in [] minutes', where [] is a text input field.
- D**: Points to the fourth radio button labeled 'Shutdown UPS in [] minutes', where [] is a text input field. Below this radio button is a 'Start time' section with a dropdown menu set to 'Today' and a time display showing '00:00'.

- A : Self test for 10 seconds.
B : Self test until battery low.
C : Insert minutes to shutdown the UPS.
D : Insert minutes to shutdown the UPS. The UPS will turn on automatically at the predetermined time.

2.8.3. Create, Delete, and Edit the data of Schedule

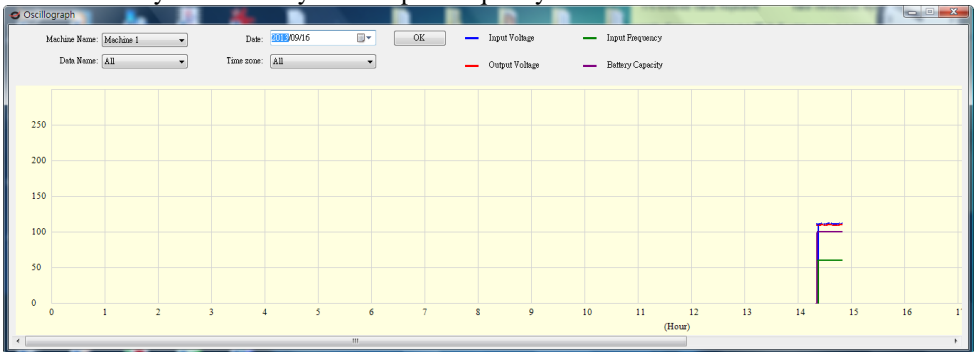
The screenshot shows a schedule management interface. At the top are three buttons: 'Add', 'Edit', and 'Delete'. Below them is a table with the following data:

	Number	Machine	Repeat	Control Item	Date	Week	Time
▶	1	M1	NO	Test for 10 seconds.	2009/11/27	Friday	00:00
	2	M1	Everyday	Test for 10 seconds.	2009/11/27	Friday	00:00
	3	M1	Week	Test for 10 seconds.	2009/11/28	Saturday	00:00
	4	M1	Month	Test for 10 seconds.	2009/11/30	Monday	00:00

- Create : Click “Add” to create a new task.
- Edit : Step1. Choose the task from the schedule list, the highlighted blue bar is the chosen task.
Step2. Set Machine and schedule items.
Step3. Click “Edit” to modify your selection.
- Delete : Choose the task from the schedule list, the highlighted blue bar is the chosen task.
Click “Delete” to delete the task you choose.

2.9 Oscillograph

The “Oscillograph” provides a summarized report of the recorded UPS operating data. The recorded data are represented in line curves to provide an easy to read summary of the Utility & UPS power quality.



2.9.1. Tools

Machine Name: Date:

Data Name: Time zone:

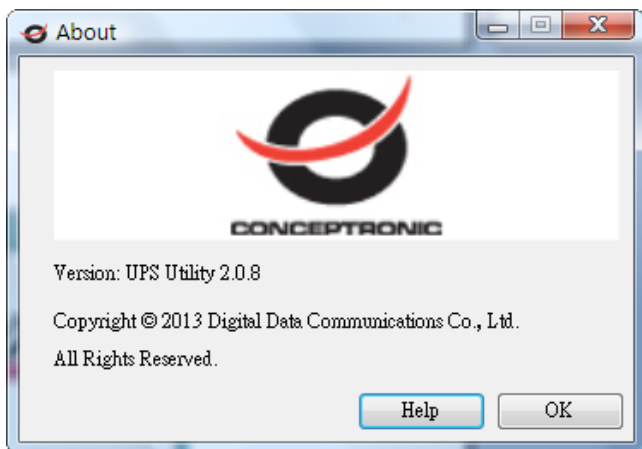
Machine Name : Choose the machine which you want to show.

Date : Set the date of data you want to show.

Data Name : 5 items can be chosen: “ALL”, “Input Voltage”, “Output Voltage”, “Input Frequency”, “Battery Capacity”.

Time zone : Choose the time interval.

2.10 About



Click to confirm version of the UPS Utility software.
Click “Help” to show this user manual.

For
Microsoft Windows 2000
Microsoft Windows XP
Microsoft Windows Server 2003
Microsoft Windows VISTA
Microsoft Windows Server 2008
Microsoft Windows 7
Microsoft Windows 8

Enjoy the use of your Conceptronic UPS!